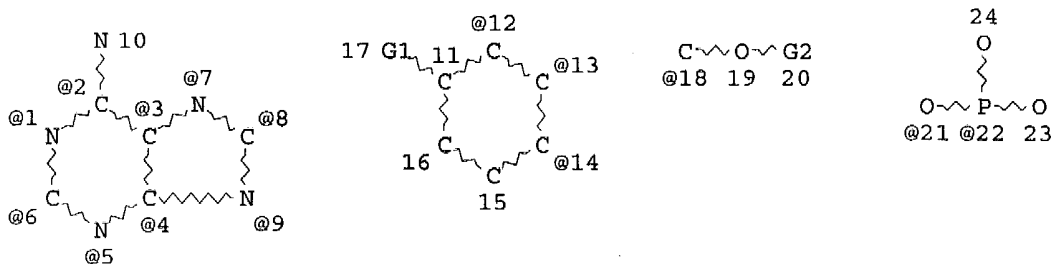


=> d que 16

L1 STR



VAR G1=1/2/3/7/8/9/4/5/6

VAR G2=H/C/SI/22/21

VPA 18-12/13/14 U

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

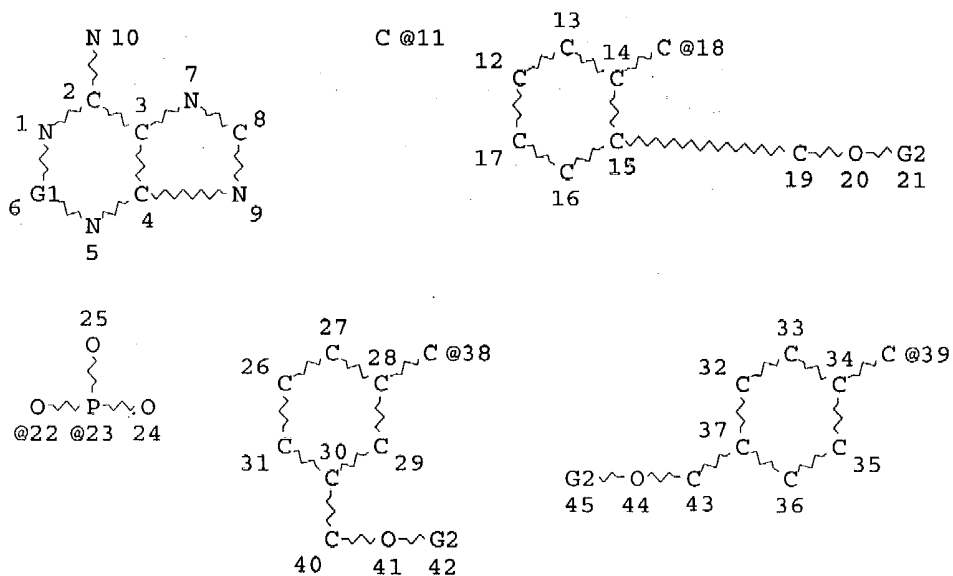
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE

L2 STR



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VAR G2=H/C/SI/22/23

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CONNECT IS E3 RC AT 18

CONNECT IS E3 RC AT 38

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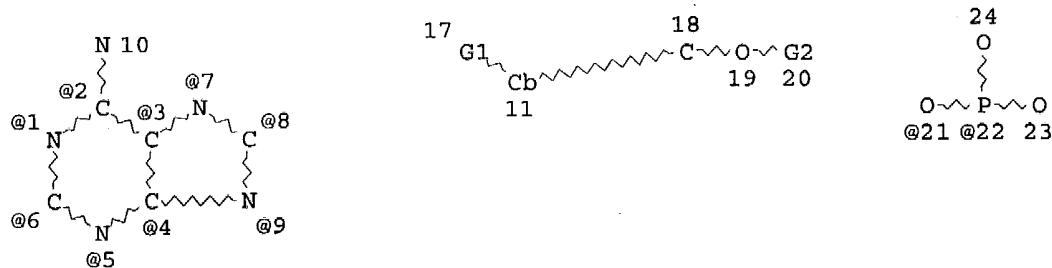
DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

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RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 45

STEREO ATTRIBUTES: NONE

L4 196 SEA FILE=REGISTRY SSS FUL L1 AND L2
L5 STR



VAR G1=1/2/3/7/8/9/4/5/6

VAR G2=H/C/SI/22/21

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS UNS AT 11

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M6 C AT 11

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L6 34 SEA FILE=REGISTRY SUB=L4 SSS FUL L5

=> d 16 ide ibib 1-34

L6 ANSWER 1 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN

RN 677757-98-1 REGISTRY

CN Phosphoramidous acid, bis(1-methylethyl)-, (1R,2S,5R)-5-[6-(benzoylamino)-9H-purin-9-yl]-2-[[[4-methoxyphenyl]diphenylmethoxy]methyl]-3-cyclohexen-1-yl 2-cyanoethyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C48 H52 N7 O5 P

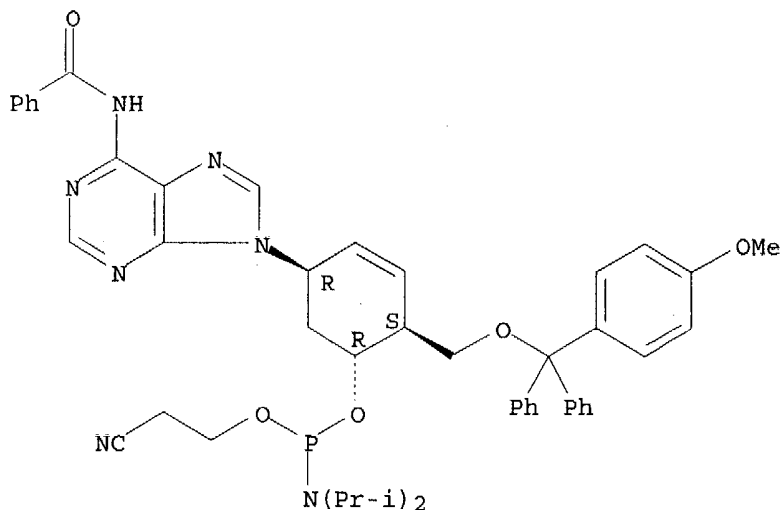
SR CA

LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

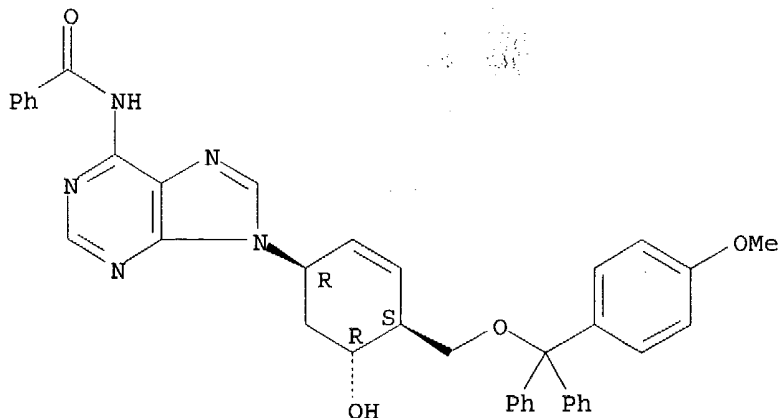
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 140:321631 CA
TITLE: Synthesis of enantiomeric-pure cyclohexenyl nucleoside building blocks for oligonucleotide synthesis
AUTHOR(S): Gu, Ping; Griebel, Carsten; Van Aerschot, Arthur; Rozenski, Jef; Busson, Roger; Gais, Hans-Joachim; Herdewijn, Piet
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute for Medical Research, Louvain, B-3000, Belg.
SOURCE: Tetrahedron (2004), 60(9), 2111-2123
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 677757-94-7 REGISTRY
CN Benzamide, N-[9-[(1R,4S,5R)-5-hydroxy-4-[[[4-methoxyphenyl)diphenylmethoxy]methyl]-2-cyclohexen-1-yl]-9H-purin-6-yl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C39 H35 N5 O4
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



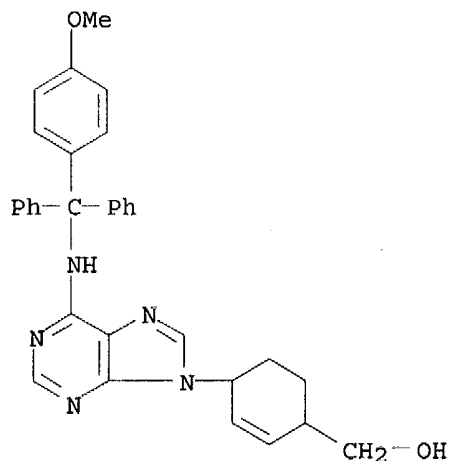
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 140:321631 CA
TITLE: Synthesis of enantiomeric-pure cyclohexenyl nucleoside building blocks for oligonucleotide synthesis
AUTHOR(S): Gu, Ping; Griebel, Carsten; Van Aerschot, Arthur; Rozenski, Jef; Busson, Roger; Gais, Hans-Joachim; Herdewijn, Piet
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute for Medical Research, Louvain, B-3000, Belg.
SOURCE: Tetrahedron (2004), 60(9), 2111-2123
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

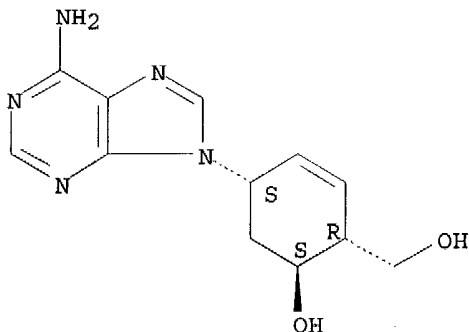
L6 ANSWER 3 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 675197-29-2 REGISTRY
CN 2-Cyclohexene-1-methanol, 4-[6-[[[4-methoxyphenyl]diphenylmethyl]amino]-9H-purin-9-yl]- (9CI) (CA INDEX NAME)
MF C32 H31 N5 O2
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 4 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 664375-94-4 REGISTRY
 CN 2-Cyclohexene-1-methanol, 4-(6-amino-9H-purin-9-yl)-6-hydroxy-,
 (1R,4S,6S)-rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C12 H15 N5 O2
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
 PRP (Properties); USES (Uses)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

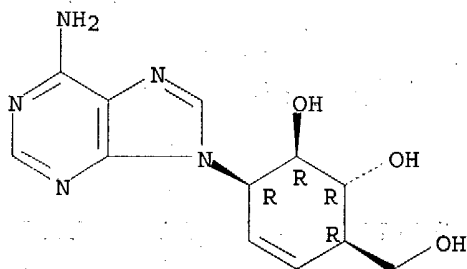
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 140:209947 CA
TITLE: Synthesis and antiviral activity of a series of new
cyclohexenyl nucleosides
AUTHOR(S): Gu, Ping; Morral, Jordi; Wang, Jing; Rozenski, Jef;
Busson, Roger; Van Aerschot, Arthur; De Clercq, Erik;
Herdewijn, Piet
CORPORATE SOURCE: Laboratory of Medicinal Chemistry, Rega Institute for
Medical Research, Katholieke Universiteit Leuven,
Louvain, Belg.
SOURCE: Antiviral Chemistry & Chemotherapy (2003), 14(1),
31-37
CODEN: ACCHEH; ISSN: 0956-3202
PUBLISHER: International Medical Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 547754-16-5 REGISTRY
CN 4-Cyclohexene-1,2-diol, 3-(6-amino-9H-purin-9-yl)-6-(hydroxymethyl)-,
(1R,2R,3R,6R)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C12 H15 N5 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

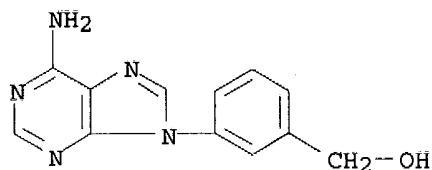
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 139:69467 CA
TITLE: Stereocontrolled Synthesis of Ara-Type Cyclohexenyl
Nucleosides
AUTHOR(S): Wang, Jing; Vina, Dolores; Busson, Roger; Herdewijn,
Piet
CORPORATE SOURCE: Laboratory of Medicinal Chemistry, Rega Institute for
Medical Research, Katholieke Universiteit Leuven,
Louvain, B-3000, Belg.

SOURCE: Journal of Organic Chemistry (2003), 68(11), 4499-4505
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 469887-26-1 REGISTRY
CN Benzenemethanol, 3-(6-amino-9H-purin-9-yl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H11 N5 O
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAPLUS document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

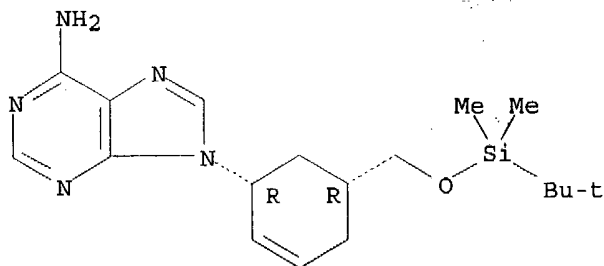
REFERENCE 1

ACCESSION NUMBER: 137:295182 CA
TITLE: 9-[(Hydroxymethyl)phenyl]adenines: new aryladenine
substrates of adenosine deaminase
AUTHOR(S): Brakta, Mohamed; Murthy, Devangachinta; Ellis,
L'Ouverture; Phadtare, Shashikant
CORPORATE SOURCE: College of Pharmacy, Xavier University of Louisiana,
New Orleans, LA, 70125, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2002),
12(11), 1489-1492
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 405066-10-6 REGISTRY
CN 9H-Purin-6-amine, 9-[(1R,5R)-5-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]met
hyl]-2-cyclohexen-1-yl]-, rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C18 H29 N5 O Si
SR CA
LC STN Files: CA, CAPLUS, CASREACT

RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 136:263358 CA
TITLE: Synthesis of (+) cis-substituted cyclohexenyl and
cyclohexanyl nucleosides via a double Mitsunobu-type
reaction
AUTHOR(S): Barral, Karine; Halfon, Philippe; Pepe, Gerard;
Camplo, Michel
CORPORATE SOURCE: Groupe de Chimie Organique et des Materiaux
Moleculaires (UMR-CNRS 6114), Faculte des Sciences de
Luminy, Marseille, F-288, Fr.
SOURCE: Tetrahedron Letters (2001), Volume Date 2002, 43(1),
81-84
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 14

THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN

RN 404413-38-3 REGISTRY

[illegible]

FS STEREOSEARCH

MF C72 H86 N30 O25 P6

SR CA

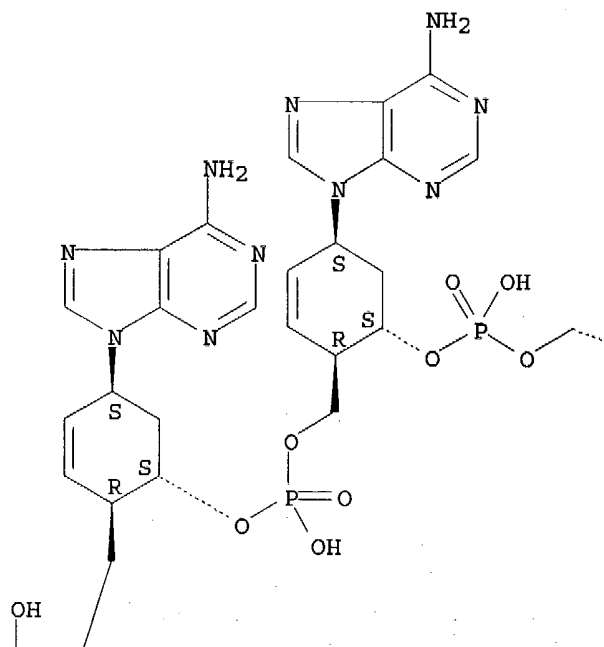
LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

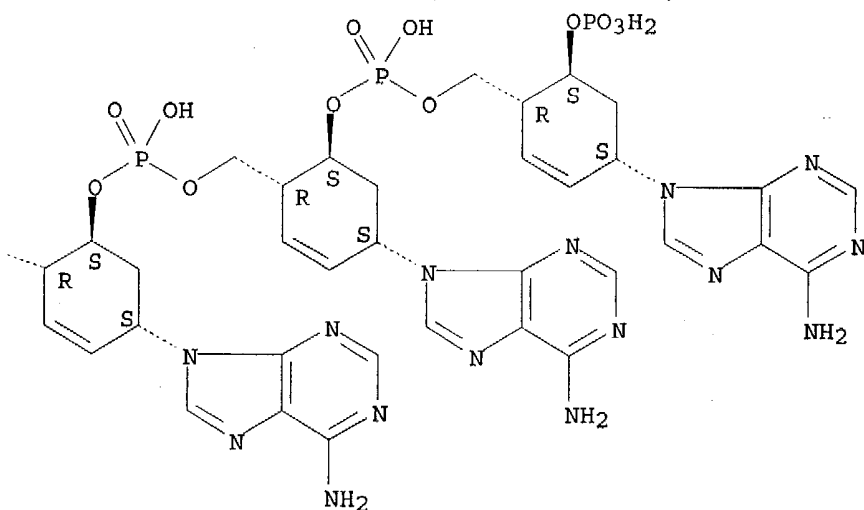
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

Absolute stereochemistry.

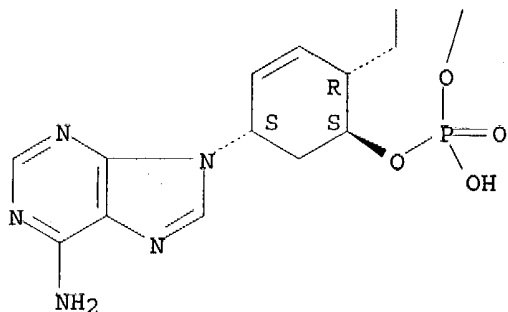
PAGE 1-A



PAGE 1-B



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

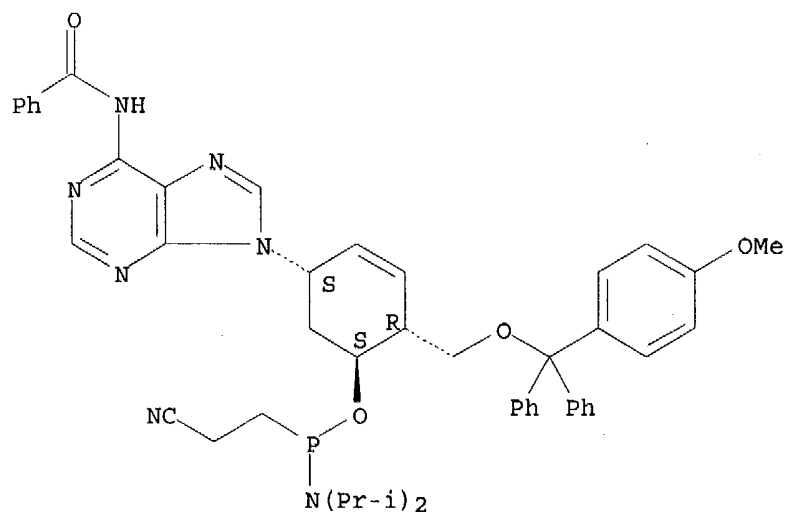
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 136:243410 CA
TITLE: RNase H mediated cleavage of RNA by cyclohexene nucleic acid (CeNA)
AUTHOR(S): Verbeure, Birgit; Lescrinier, Eveline; Wang, Jing; Herdewijn, Piet
CORPORATE SOURCE: Rega Institute for Medical Research, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.
SOURCE: Nucleic Acids Research (2001), 29(24), 4941-4947
CODEN: NARHAD; ISSN: 0305-1048
PUBLISHER: Oxford University Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 396732-08-4 REGISTRY
CN Phosphonamidous acid, P-(2-cyanoethyl)-N,N-bis(1-methylethyl)-, (1S,2R,5S)-5-[6-(benzoylamino)-9H-purin-9-yl]-2-[[[4-methoxyphenyl)diphenylmethoxy]methyl]-3-cyclohexen-1-yl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C48 H52 N7 O4 P
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 136:167626 CA
TITLE: Cyclohexene nucleic acids (CeNA) form stable duplexes with RNA and induce RNase H activity
AUTHOR(S): Wang, J.; Verbeure, B.; Luyten, I.; Froeyen, M.; Hendrix, C.; Rosemeyer, H.; Seela, F.; Van Aerschot, A.; Herdewijn, P.
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.
SOURCE: Nucleosides, Nucleotides & Nucleic Acids (2001), 20(4-7), 785-788
CODEN: NNNAFY; ISSN: 1525-7770
PUBLISHER: Marcel Dekker, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

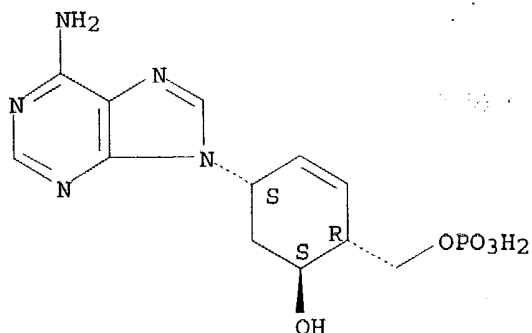
L6 ANSWER 10 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 383859-42-5 REGISTRY
CN 2-Cyclohexene-1-methanol, 4-(6-amino-9H-purin-9-yl)-6-hydroxy-, 1-(dihydrogen phosphate), (1R,4S,6S)-, homopolymer (9CI), (CA INDEX NAME)
FS STEREOSEARCH
MF (C12 H16 N5 O5 P)x
CI PMS
PCT Polyother, Polyother only
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

CM 1

CRN 383859-41-4

CMF C12 H16 N5 O5 P

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)

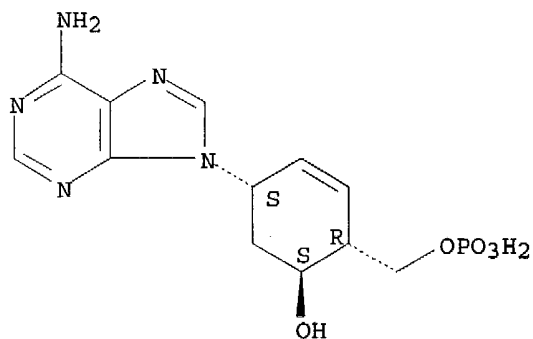
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 136:65783 CA
TITLE: Hybridization between "six-membered" nucleic acids:
RNA as a universal information system
AUTHOR(S): Kerremans, Luc; Schepers, Guy; Rozenski, Jef; Busson,
Roger; Van Aerschot, Arthur; Herdewijn, Piet
CORPORATE SOURCE: Rega Institute, Katholieke Universiteit Leuven,
Louvain, B-3000, Belg.
SOURCE: Organic Letters (2001), 3(26), 4129-4132
CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 383859-41-4 REGISTRY
CN 2-Cyclohexene-1-methanol, 4-(6-amino-9H-purin-9-yl)-6-hydroxy-,
1-(dihydrogen phosphate), (1R,4S,6S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C12 H16 N5 O5 P
CI COM
SR CA

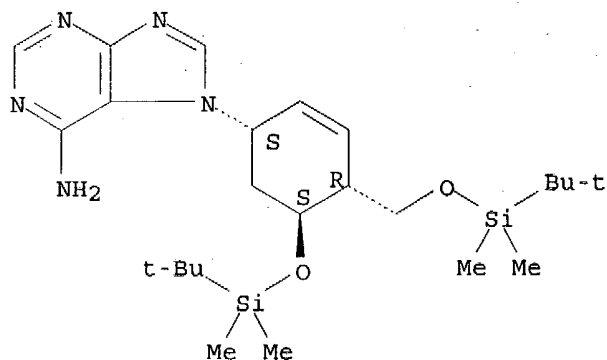
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 12 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 328926-67-6 REGISTRY
 CN 7H-Purin-6-amine, 7-[(1S,4R,5S)-5-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-4-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-2-cyclohexen-1-yl]-(9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C24 H43 N5 O2 Si2
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 134:208063 CA
 TITLE: Preparation of carbocyclic nucleosides as antiviral agents
 INVENTOR(S): Herdewijn, Piet; Wang, Jing; De Clercq, Erik

This work

PATENT ASSIGNEE(S): Stichting Rega Vzw, Belg.

SOURCE: PCT Int. Appl., 77 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

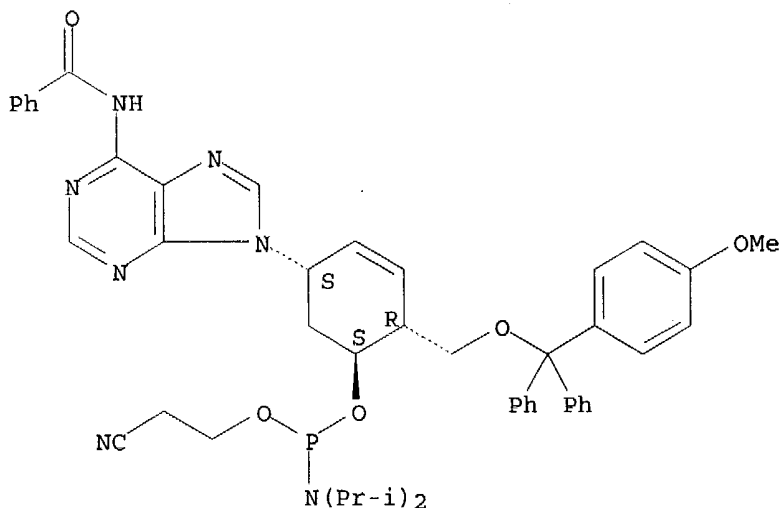
PATENT INFORMATION:

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WO 2001018003	A1	20010315	WO 2000-EP8882	20000908
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1210347	A1	20020605	EP 2000-965970	20000908
EP 1210347	B1	20040623		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
JP 2003508533	T2	20030304	JP 2001-522226	20000908
AT 269864	E	20040715	AT 2000-965970	20000908
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			US 2000-214897P	20000629
			WO 2000-EP8882	20000908

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 302588-41-6 REGISTRY
CN Phosphoramidous acid, bis(1-methylethyl)-, (1S,2R,5S)-5-[6-(benzoylamino)-9H-purin-9-yl]-2-[[[(4-methoxyphenyl)diphenylmethoxy]methyl]-3-cyclohexen-1-yl 2-cyanoethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C48 H52 N7 O5 P
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 140:321631 CA
TITLE: Synthesis of enantiomeric-pure cyclohexenyl nucleoside building blocks for oligonucleotide synthesis
AUTHOR(S): Gu, Ping; Griebel, Carsten; Van Aerschot, Arthur; Rozenski, Jef; Busson, Roger; Gais, Hans-Joachim; Herdewijn, Piet
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute for Medical Research, Louvain, B-3000, Belg.
SOURCE: Tetrahedron (2004), 60(9), 2111-2123
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

ACCESSION NUMBER: 135:107544 CA
TITLE: Preparation of cyclohexene nucleic acid duplexes as E. Coli Rnase H activators in cleavage of the RNA strand
INVENTOR(S): Wang, Jing; Herdewijn, Piet
PATENT ASSIGNEE(S): K. U. Leuven Research + Development, Belg.
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001049687      A2      20010712      WO 2000-IB2041      20001227
WO 2001049687      A3      20020328
WO 2001049687      C2      20020906
W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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EP 1244667          A2      20021002      EP 2000-990110      20001227
R:   AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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JP 2003519231      T2      20030617      JP 2001-550227      20001227
PRIORITY APPLN. INFO.:      US 1999-173728P      19991230
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REFERENCE 3

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ACCESSION NUMBER:      133:335425  CA
TITLE:                  Cyclohexene nucleic acids (CeNA): serum stable
                        oligonucleotides that activate RNase H and increase
                        duplex stability with complementary RNA
AUTHOR(S):              Wang, Jing; Verbeure, Birgit; Luyten, Ingrid;
                        Lescrinier, Eveline; Froeyen, Matthias; Hendrix,
                        Chris; Rosemeyer, Helmut; Seela, Frank; Van Aerschot,
                        Arthur; Herdewijn, Piet
CORPORATE SOURCE:       Laboratory for Medicinal Chemistry, Rega Institute,
                        Louvain, B-3000, Belg.
SOURCE:                  Journal of the American Chemical Society (2000),
                        122(36), 8595-8602
                        CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER:              American Chemical Society
DOCUMENT TYPE:           Journal
LANGUAGE:                English
REFERENCE COUNT:         34      THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

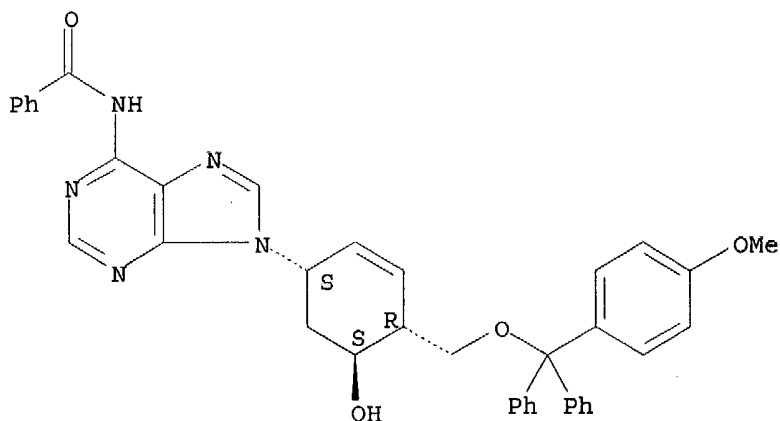
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L6  ANSWER 14 OF 34  REGISTRY  COPYRIGHT 2004 ACS on STN
RN  302588-40-5  REGISTRY
CN  Benzamide, N-[9-[(1S,4R,5S)-5-hydroxy-4-[[[(4-methoxyphenyl)diphenylmethoxy
    |methyl]-2-cyclohexen-1-yl]-9H-purin-6-yl]]- (9CI)  (CA INDEX NAME)
FS  STEREOSEARCH
MF  C39 H35 N5 O4
SR  CA
LC  STN Files:  CA, CAPLUS, CASREACT
DT.CA  Caplus document type:  Journal; Patent
RL.P  Roles from patents:  PREP (Preparation); RACT (Reactant or reagent)
RL.NP  Roles from non-patents:  PREP (Preparation); RACT (Reactant or reagent)

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Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 140:321631 CA
TITLE: Synthesis of enantiomeric-pure cyclohexenyl nucleoside building blocks for oligonucleotide synthesis
AUTHOR(S): Gu, Ping; Griebel, Carsten; Van Aerschot, Arthur; Rozenski, Jef; Busson, Roger; Gais, Hans-Joachim; Herdewijn, Piet
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute for Medical Research, Louvain, B-3000, Belg.
SOURCE: Tetrahedron (2004), 60(9), 2111-2123
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

ACCESSION NUMBER: 136:167626 CA
TITLE: Cyclohexene nucleic acids (CeNA) form stable duplexes with RNA and induce RNase H activity
AUTHOR(S): Wang, J.; Verbeure, B.; Luyten, I.; Froeyen, M.; Hendrix, C.; Rosemeyer, H.; Seela, F.; Van Aerschot, A.; Herdewijn, P.
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.
SOURCE: Nucleosides, Nucleotides & Nucleic Acids (2001), 20(4-7), 785-788
CODEN: NNNAFY; ISSN: 1525-7770
PUBLISHER: Marcel Dekker, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 3

ACCESSION NUMBER: 135:107544 CA
TITLE: Preparation of cyclohexene nucleic acid duplexes as E. Coli Rnase H activators in cleavage of the RNA strand
INVENTOR(S): Wang, Jing; Herdewijn, Piet
PATENT ASSIGNEE(S): K. U. Leuven Research + Development, Belg.
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001049687	A2	20010712	WO 2000-IB2041	20001227
WO 2001049687	A3	20020328		
WO 2001049687	C2	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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EP 1244667	A2	20021002	EP 2000-990110	20001227
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JP 2003519231	T2	20030617	JP 2001-550227	20001227
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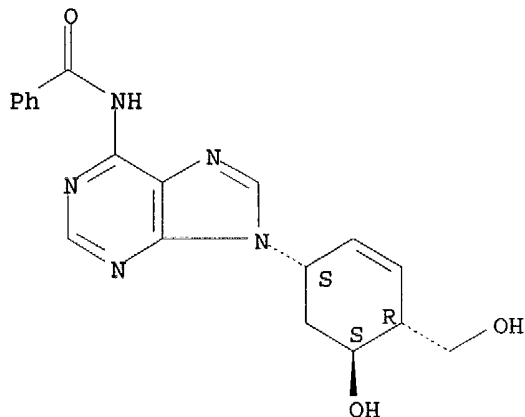
REFERENCE 4

ACCESSION NUMBER: 133:335425 CA
TITLE: Cyclohexene nucleic acids (CeNA): serum stable oligonucleotides that activate RNase H and increase duplex stability with complementary RNA
AUTHOR(S): Wang, Jing; Verbeure, Birgit; Luyten, Ingrid; Lescrinier, Eveline; Froeyen, Matthias; Hendrix, Chris; Rosemeyer, Helmut; Seela, Frank; Van Aerschot, Arthur; Herdewijn, Piet
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute, Louvain, B-3000, Belg.
SOURCE: Journal of the American Chemical Society (2000), 122(36), 8595-8602
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 302588-39-2 REGISTRY

CN Benzamide, N-[9-[(1S,4R,5S)-5-hydroxy-4-(hydroxymethyl)-2-cyclohexen-1-yl]-9H-purin-6-yl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C19 H19 N5 O3
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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AUTHOR(S): Gu, Ping; Griebel, Carsten; Van Aerschot, Arthur; Rozenski, Jef; Busson, Roger; Gais, Hans-Joachim; Herdewijn, Piet
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute for Medical Research, Louvain, B-3000, Belg.
SOURCE: Tetrahedron (2004), 60(9), 2111-2123
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ACCESSION NUMBER: 136:167626 CA
TITLE: Cyclohexene nucleic acids (CeNA) form stable duplexes with RNA and induce RNase H activity
AUTHOR(S): Wang, J.; Verbeure, B.; Luyten, I.; Froeyen, M.;

Hendrix, C.; Rosemeyer, H.; Seela, F.; Van Aerschot, A.; Herdewijn, P.
 CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.
 SOURCE: Nucleosides, Nucleotides & Nucleic Acids (2001), 20(4-7), 785-788
 CODEN: NNNAFY; ISSN: 1525-7770
 PUBLISHER: Marcel Dekker, Inc.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 3

ACCESSION NUMBER: 135:107544 CA
 TITLE: Preparation of cyclohexene nucleic acid duplexes as E. Coli Rnase H activators in cleavage of the RNA strand
 INVENTOR(S): Wang, Jing; Herdewijn, Piet
 PATENT ASSIGNEE(S): K. U. Leuven Research + Development, Belg.
 SOURCE: PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001049687	A2	20010712	WO 2000-IB2041	20001227
WO 2001049687	A3	20020328		
WO 2001049687	C2	20020906		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
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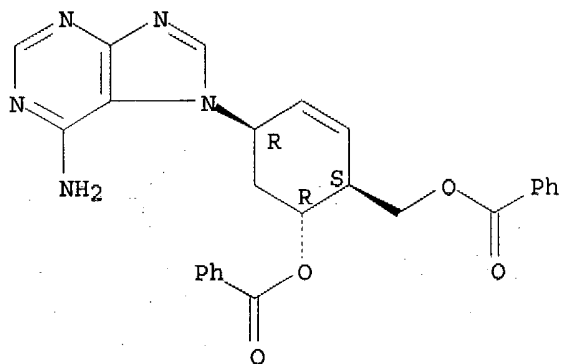
REFERENCE 4

ACCESSION NUMBER: 133:335425 CA
 TITLE: Cyclohexene nucleic acids (CeNA): serum stable oligonucleotides that activate RNase H and increase duplex stability with complementary RNA
 AUTHOR(S): Wang, Jing; Verbeure, Birgit; Luyten, Ingrid; Lescrinier, Eveline; Froeyen, Matthias; Hendrix, Chris; Rosemeyer, Helmut; Seela, Frank; Van Aerschot, Arthur; Herdewijn, Piet
 CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute,

SOURCE: Louvain, B-3000, Belg.
Journal of the American Chemical Society (2000),
122(36), 8595-8602
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 16 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
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benzoate (ester), (1S,4R,6R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C26 H23 N5 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation)
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.



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2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

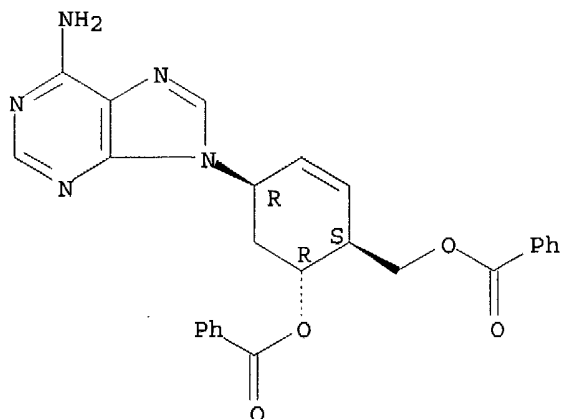
REFERENCE 1

ACCESSION NUMBER: 134:208063 CA
TITLE: Preparation of carbocyclic nucleosides as antiviral
agents
INVENTOR(S): Herdewijn, Piet; Wang, Jing; De Clercq, Erik
PATENT ASSIGNEE(S): Stichting Rega Vzw, Belg.
SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001018003	A1	20010315	WO 2000-EP8882	20000908
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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AT 269864	E	20040715	AT 2000-965970	20000908
PRIORITY APPLN. INFO.:				
US 1999-153086P 19990910				
US 1999-153087P 19990910				
US 2000-214897P 20000629				
WO 2000-EP8882 20000908				
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		
REFERENCE	2			
ACCESSION NUMBER:	132:251356 CA			
TITLE:	The Cyclohexene Ring System as a Furanose Mimic: Synthesis and Antiviral Activity of Both Enantiomers of Cyclohexenylguanidine			
AUTHOR(S):	Wang, Jing; Froeyen, Matheus; Hendrix, Chris; Andrei, Graciela; Snoeck, Robert; De Clercq, Erik; Herdewijn, Piet			
CORPORATE SOURCE:	Laboratories of Medicinal Chemistry and of Virology and Chemotherapy, Rega Institute for Medical Research, Louvain, B-3000, Belg.			
SOURCE:	Journal of Medicinal Chemistry (2000), 43(4), 736-745 CODEN: JMCMAR; ISSN: 0022-2623			
PUBLISHER:	American Chemical Society			
DOCUMENT TYPE:	Journal			
LANGUAGE:	English			
REFERENCE COUNT:	56	THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L6 ANSWER 17 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 262372-13-4 REGISTRY
 CN 2-Cyclohexene-1-methanol, 4-(6-amino-9H-purin-9-yl)-6-(benzoyloxy)-, benzoate (ester), (1S,4R,6R)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C26 H23 N5 O4
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER
 DT.CA CAplus document type: Journal; Patent
 RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
 RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 134:208063 CA
TITLE: Preparation of carbocyclic nucleosides as antiviral agents
INVENTOR(S): Herdewijn, Piet; Wang, Jing; De Clercq, Erik
PATENT ASSIGNEE(S): Stichting Rega Vzw, Belg.
SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001018003	A1	20010315	WO 2000-EP8882	20000908
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RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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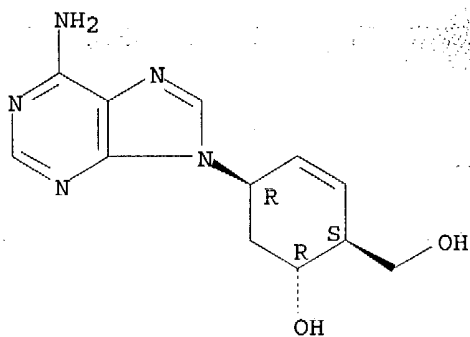
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

ACCESSION NUMBER: 132:251356 CA
TITLE: The Cyclohexene Ring System as a Furanose Mimic:
Synthesis and Antiviral Activity of Both Enantiomers
of Cyclohexenylguanine
AUTHOR(S): Wang, Jing; Froeyen, Matheus; Hendrix, Chris; Andrei,
Graciela; Snoeck, Robert; De Clercq, Erik; Herdewijn,
Piet
CORPORATE SOURCE: Laboratories of Medicinal Chemistry and of Virology
and Chemotherapy, Rega Institute for Medical Research,
Louvain, B-3000, Belg.
SOURCE: Journal of Medicinal Chemistry (2000), 43(4), 736-745
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 18 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 262372-03-2 REGISTRY
CN 2-Cyclohexene-1-methanol, 4-(6-amino-9H-purin-9-yl)-6-hydroxy-,
(1S,4R,6R)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C12 H15 N5 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
(Uses)
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.



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 PATENT ASSIGNEE(S): Stichting Rega Vzw, Belg.
 SOURCE: PCT Int. Appl., 77 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

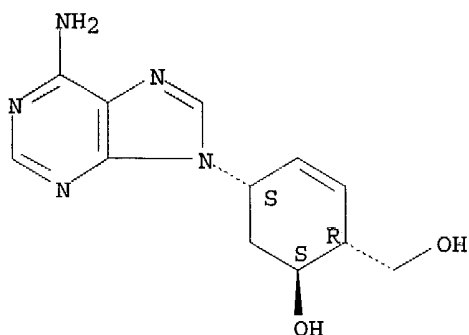
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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US 1999-153086P 19990910				
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WO 2000-EP8882 20000908				
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

REFERENCE 2

ACCESSION NUMBER: 132:251356 CA
 TITLE: The Cyclohexene Ring System as a Furanose Mimic: Synthesis and Antiviral Activity of Both Enantiomers of Cyclohexenylguanine
 AUTHOR(S): Wang, Jing; Froeyen, Matheus; Hendrix, Chris; Andrei, Graciela; Snoeck, Robert; De Clercq, Erik; Herdewijn, Piet
 CORPORATE SOURCE: Laboratories of Medicinal Chemistry and of Virology and Chemotherapy, Rega Institute for Medical Research, Louvain, B-3000, Belg.
 SOURCE: Journal of Medicinal Chemistry (2000), 43(4), 736-745
 CODEN: JMCMAR; ISSN: 0022-2623
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

RN 247587-60-6 REGISTRY
CN 2-Cyclohexene-1-methanol, 4-(6-amino-9H-purin-9-yl)-6-hydroxy-,
(1R,4S,6S)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C12 H15 N5 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); RACT
(Reactant or reagent)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 136:167626 CA
TITLE: Cyclohexene nucleic acids (CeNA) form stable duplexes with RNA and induce RNase H activity
AUTHOR(S): Wang, J.; Verbeure, B.; Luyten, I.; Froeyen, M.; Hendrix, C.; Rosemeyer, H.; Seela, F.; Van Aerschot, A.; Herdewijn, P.
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.
SOURCE: Nucleosides, Nucleotides & Nucleic Acids (2001), 20(4-7), 785-788
CODEN: NNNAFY; ISSN: 1525-7770
PUBLISHER: Marcel Dekker, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

ACCESSION NUMBER: 135:107544 CA
TITLE: Preparation of cyclohexene nucleic acid duplexes as E. Coli Rnase H activators in cleavage of the RNA strand
INVENTOR(S): Wang, Jing; Herdewijn, Piet

PATENT ASSIGNEE(S): K. U. Leuven Research + Development, Belg.
 SOURCE: PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001049687	A2	20010712	WO 2000-IB2041	20001227
WO 2001049687	A3	20020328		
WO 2001049687	C2	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1244667	A2	20021002	EP 2000-990110	20001227
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003519231	T2	20030617	JP 2001-550227	20001227
PRIORITY APPLN. INFO.: US 1999-173728P 19991230				
WO 2000-IB2041 20001227				

REFERENCE 3

ACCESSION NUMBER: 134:208063 CA
 TITLE: Preparation of carbocyclic nucleosides as antiviral agents
 INVENTOR(S): Herdewijn, Piet; Wang, Jing; De Clercq, Erik
 PATENT ASSIGNEE(S): Stichting Rega Vzw, Belg.
 SOURCE: PCT Int. Appl., 77 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001018003	A1	20010315	WO 2000-EP8882	20000908
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1210347	A1	20020605	EP 2000-965970	20000908
EP 1210347	B1	20040623		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

JP 2003508533 T2 20030304 JP 2001-522226 20000908
AT 269864 E 20040715 AT 2000-965970 20000908
PRIORITY APPLN. INFO.: US 1999-153086P 19990910
US 1999-153087P 19990910
US 2000-214897P 20000629
WO 2000-EP8882 20000908
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 4

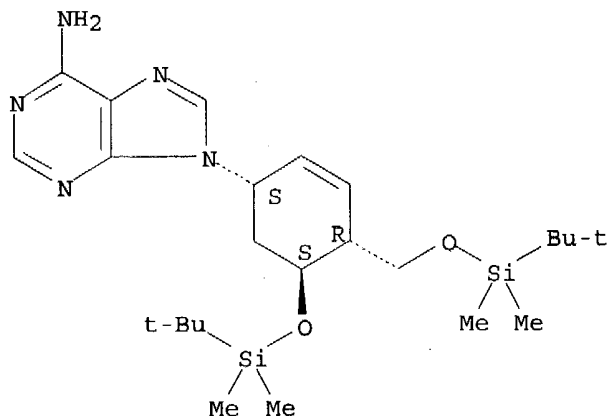
ACCESSION NUMBER: 133:335425 CA
TITLE: Cyclohexene nucleic acids (CeNA): serum stable
oligonucleotides that activate RNase H and increase
duplex stability with complementary RNA
AUTHOR(S): Wang, Jing; Verbeure, Birgit; Luyten, Ingrid;
Lescrinier, Eveline; Froeyen, Matthias; Hendrix,
Chris; Rosemeyer, Helmut; Seela, Frank; Van Aerschot,
Arthur; Herdewijn, Piet
CORPORATE SOURCE: Laboratory for Medicinal Chemistry, Rega Institute,
Louvain, B-3000, Belg.
SOURCE: Journal of the American Chemical Society (2000),
122(36), 8595-8602
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 5

ACCESSION NUMBER: 131:310792 CA
TITLE: Enantioselective Synthesis and Conformational Study of
Cyclohexene Carbocyclic Nucleosides
AUTHOR(S): Wang, Jing; Herdewijn, Piet
CORPORATE SOURCE: Laboratory of Medicinal Chemistry Rega Institute for
Medical Research, Katholieke Universiteit Leuven,
Louvain, B-3000, Belg.
SOURCE: Journal of Organic Chemistry (1999), 64(21), 7820-7827
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 247587-59-3 REGISTRY
CN 9H-Purin-6-amine, 9-[(1S,4R,5S)-5-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-
4-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-2-cyclohexen-1-yl]-
(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H43 N5 O2 Si2
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 134:208063 CA
 TITLE: Preparation of carbocyclic nucleosides as antiviral agents
 INVENTOR(S): Herdewijn, Piet; Wang, Jing; De Clercq, Erik
 PATENT ASSIGNEE(S): Stichting Rega Vzw, Belg.
 SOURCE: PCT Int. Appl., 77 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001018003	A1	20010315	WO 2000-EP8882	20000908
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1210347	A1	20020605	EP 2000-965970	20000908
EP 1210347	B1	20040623		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003508533	T2	20030304	JP 2001-522226	20000908
AT 269864	E	20040715	AT 2000-965970	20000908
PRIORITY APPLN. INFO.:			US 1999-153086P	19990910

US 1999-153087P 19990910

US 2000-214897P 20000629

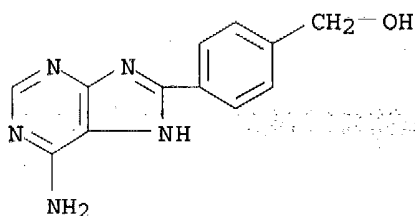
WO 2000-EP8882 20000908

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

ACCESSION NUMBER: 131:310792 CA
TITLE: Enantioselective Synthesis and Conformational Study of
Cyclohexene Carbocyclic Nucleosides
AUTHOR(S): Wang, Jing; Herdewijn, Piet
CORPORATE SOURCE: Laboratory of Medicinal Chemistry Rega Institute for
Medical Research, Katholieke Universiteit Leuven,
Louvain, B-3000, Belg.
SOURCE: Journal of Organic Chemistry (1999), 64(21), 7820-7827
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 21 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 224960-73-0 REGISTRY
CN Benzenemethanol, 4-(6-amino-1H-purin-8-yl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H11 N5 O
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
PROC (Process)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 130:348398 CA
TITLE: C8-Arylguanine and C8-Aryladenine Formation in Calf
Thymus DNA from Arenediazonium Ions
AUTHOR(S): Gannett, Peter M.; Powell, Jeannine H.; Rao,
Ramakrishna; Shi, Xiangling; Lawson, Terence; Kolar,
Carol; Toth, Bela

CORPORATE SOURCE: Department of Basic Pharmaceutical Sciences School of
Pharmacy, West Virginia University, Morgantown, WV,
26506, USA

SOURCE: Chemical Research in Toxicology (1999), 12(3), 297-304
CODEN: CRTOEC; ISSN: 0893-228X

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 38 *Got March??*
THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 22 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN

RN 188949-80-6 REGISTRY

CN 9H-Purin-6-amine, N-[(4-methoxyphenyl)diphenylmethyl]-9-[4-
[(triphenylmethoxy)methyl]-3-cyclohexen-1-yl]- (9CI) (CA INDEX NAME)

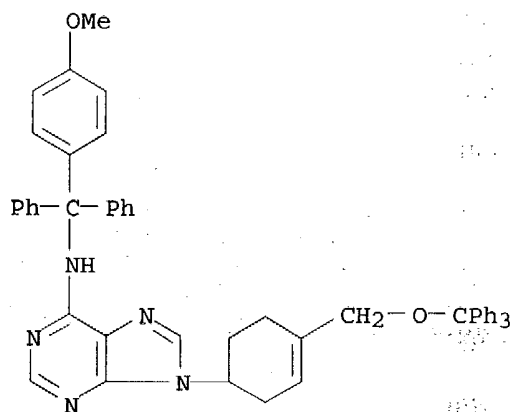
MF C51 H45 N5 O2

SR CA

LC STN Files: CA, CAPLUS

DT.CA CAPLUS document type: Journal

RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Got 102

REFERENCE 1

ACCESSION NUMBER: 126:277684 CA

TITLE: Synthesis and Conformational Study of
3-Hydroxy-4-(Hydroxymethyl)-1-Cyclohexanyl Purines and
Pyrimidines

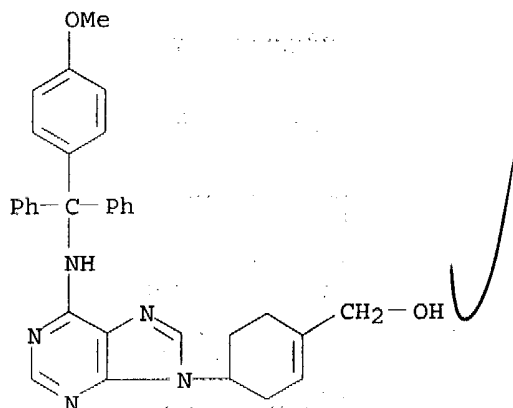
AUTHOR(S): Maurinsh, Yuris; Schraml, Jan; De Winter, Hans;
Blaton, Norbert; Peeters, Oswald; Lescrinier, Eveline;
Rozenski, Jef; Van Aerschot, Arthur; De Clercq, Erik;
Busson, Roger; Herdewijn, Piet

CORPORATE SOURCE: Rega Institute for Medical Research, Louvain, B-3000,
Belg.

SOURCE: Journal of Organic Chemistry (1997), 62(9), 2861-2871
CODEN: JOCEAH; ISSN: 0022-3263

PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 23 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 188949-78-2 REGISTRY
CN 1-Cyclohexene-1-methanol, 4-[6-[[[(4-methoxyphenyl)diphenylmethyl]amino]-9H-purin-9-yl]- (9CI) (CA INDEX NAME)
MF C32 H31 N5 O2
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

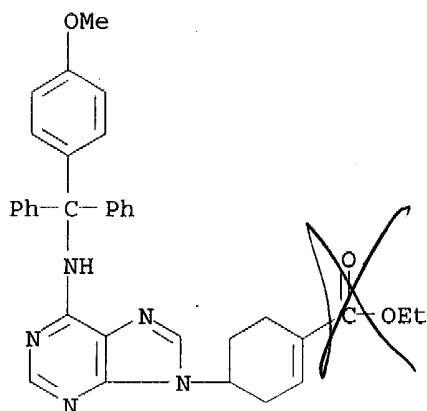
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 126:277684 CA
TITLE: Synthesis and Conformational Study of
3-Hydroxy-4-(Hydroxymethyl)-1-Cyclohexanyl Purines and
Pyrimidines
AUTHOR(S): Maurinsh, Yuris; Schraml, Jan; De Winter, Hans;
Blaton, Norbert; Peeters, Oswald; Lescrinier, Eveline;
Rozenski, Jef; Van Aerschot, Arthur; De Clercq, Erik;
Busson, Roger; Herdewijn, Piet
CORPORATE SOURCE: Rega Institute for Medical Research, Louvain, B-3000,
Belg.
SOURCE: Journal of Organic Chemistry (1997), 62(9), 2861-2871
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 24 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 188949-76-0 REGISTRY
CN 1-Cyclohexene-1-carboxylic acid, 4-[6-[[[(4-methoxyphenyl)diphenylmethyl]am

ino]-9H-purin-9-yl]-, ethyl ester (9CI) (CA INDEX NAME)
 MF C34 H33 N5 O3
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

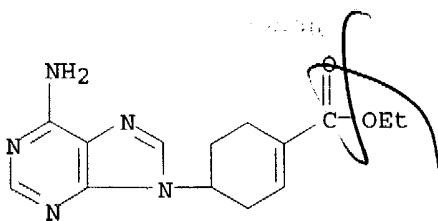
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 126:277684 CA
 TITLE: Synthesis and Conformational Study of
 3-Hydroxy-4-(Hydroxymethyl)-1-Cyclohexanyl Purines and
 Pyrimidines
 AUTHOR(S): Maurinsh, Yuris; Schraml, Jan; De Winter, Hans;
 Blaton, Norbert; Peeters, Oswald; Lesclerier, Eveline;
 Rozenski, Jef; Van Aerschot, Arthur; De Clercq, Erik;
 Busson, Roger; Herdewijn, Piet
 CORPORATE SOURCE: Rega Institute for Medical Research, Louvain, B-3000,
 Belg.
 SOURCE: Journal of Organic Chemistry (1997), 62(9), 2861-2871
 CODEN: JOCEAH; ISSN: 0022-3263
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L6 ANSWER 25 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 188949-70-4 REGISTRY
 CN 1-Cyclohexene-1-carboxylic acid, 4-(6-amino-9H-purin-9-yl)-, ethyl ester
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H17 N5 O2
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);

RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

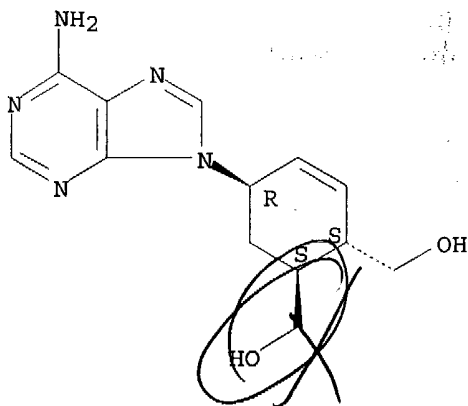
- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 126:277684 CA
TITLE: Synthesis and Conformational Study of
3-Hydroxy-4-(Hydroxymethyl)-1-Cyclohexanyl Purines and
Pyrimidines
AUTHOR(S): Maurinsh, Yuris; Schraml, Jan; De Winter, Hans;
Blaton, Norbert; Peeters, Oswald; Lescrinier, Eveline;
Rozenski, Jef; Van Aerschot, Arthur; De Clercq, Erik;
Busson, Roger; Herdewijn, Piet
CORPORATE SOURCE: Rega Institute for Medical Research, Louvain, B-3000,
Belg.
SOURCE: Journal of Organic Chemistry (1997), 62(9), 2861-2871
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 26 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 181489-29-2 REGISTRY
CN 3-Cyclohexene-1,2-dimethanol, 5-(6-amino-9H-purin-9-yl)-,
[1S-(1 α ,2 β ,5 α)]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C13 H17 N5 O2
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
RACT (Reactant or reagent)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

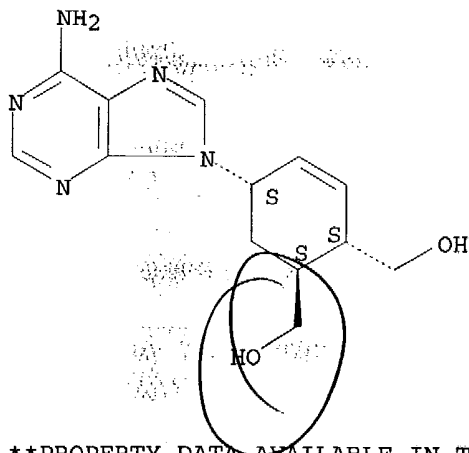
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 125:222317 CA
TITLE: Synthesis of Enantiomerically Pure
Bis(hydroxymethyl)-Branched Cyclohexenyl and
Cyclohexyl Purines as Potential Inhibitors of HIV
AUTHOR(S): Rosenquist, Aasa; Kvarnstroem, Ingemar; Classon,
Bjoern; Samuelsson, Bertil
CORPORATE SOURCE: Department of Chemistry, Linkoeeping University,
Linkoeeping, S-581 83, Swed.
SOURCE: Journal of Organic Chemistry (1996), 61(18), 6282-6288
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 27 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 181265-82-7 REGISTRY
CN 3-Cyclohexene-1,2-dimethanol, 5-(6-amino-9H-purin-9-yl)-,
[1S-(1 α ,2 β ,5 β)]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C13 H17 N5 O2
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
RACT (Reactant or reagent)

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

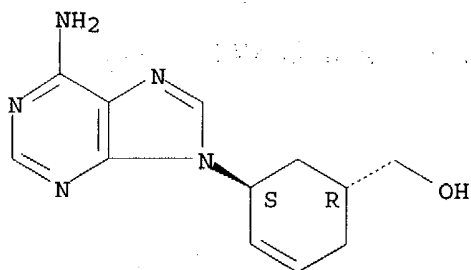
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 125:222317 CA
TITLE: Synthesis of Enantiomerically Pure
Bis(hydroxymethyl)-Branched Cyclohexenyl and
Cyclohexyl Purines as Potential Inhibitors of HIV
AUTHOR(S): Rosenquist, Aasa; Kvarnstroem, Ingemar; Classon,
Bjoern; Samuelsson, Bertil
CORPORATE SOURCE: Department of Chemistry, Linkoeeping University,
Linkoeeping, S-581 83, Swed.
SOURCE: Journal of Organic Chemistry (1996), 61(18), 6282-6288
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 28 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 180848-05-9 REGISTRY
CN 3-Cyclohexene-1-methanol, 5-(6-amino-9H-purin-9-yl)-, trans- (9CI) (CA
INDEX NAME)
FS STEREOSEARCH
MF C12 H15 N5 O
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
RACT (Reactant or reagent)

Relative stereochemistry.



Position
isomer
but 102 below

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

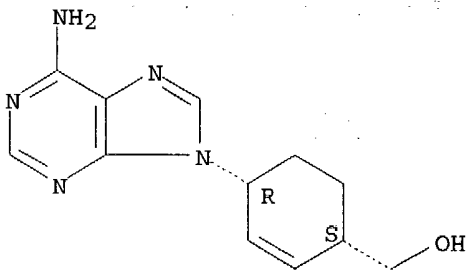
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 125:196205 CA
TITLE: Cyclohexenyl nucleosides: synthesis and biological activity of trans-3-(purin-9-yl)-4-cyclohexenylcarbinols
AUTHOR(S): Konkell, Michael J.; Vince, Robert
CORPORATE SOURCE: College Pharmacy, University Minnesota, Minneapolis, MN, 55455-0343, USA
SOURCE: Tetrahedron (1996), 52(27), 8969-8978
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 29 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 174466-15-0 REGISTRY
CN 2-Cyclohexene-1-methanol, 4-(6-amino-9H-purin-9-yl)-, cis- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C12 H15 N5 O
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 124:290154 CA
TITLE: Synthesis of nucleoside and related compounds. Part
38. Deamination of 9-(hydroxymethylated
cycloalkyl)-9H-adenines (carbocyclic adenine
nucleosides) by adenosine deaminase: effect of
high-pressure upon deamination rate and
enantioselectivity
AUTHOR(S): Katagiri, Nobuya; Ito, Yumiko; Shiraishi, Takuya;
Maruyama, Tokumi; Sato, Yoshiko; Kaneko, Chikara
CORPORATE SOURCE: Pharmaceutical Inst., Tohoku Univ., Sendai, 980-77,
Japan
SOURCE: Nucleosides & Nucleotides (1996), 15(1-3), 631-47
CODEN: NUNUD5; ISSN: 0732-8311
PUBLISHER: Dekker
DOCUMENT TYPE: Journal
LANGUAGE: English

REFERENCE 2

ACCESSION NUMBER: 124:202923 CA
TITLE: Cyclohexenyl nucleosides. Synthesis of
cis-4-(9H-purin-9-yl)-2-cyclohexenylcarbinols
AUTHOR(S): Konkel, Michael J.; Vince, Robert
CORPORATE SOURCE: Dep. Medicinal Chemistry, Univ. of Minnesota,
Minneapolis, MN, 55455-0343, USA
SOURCE: Tetrahedron (1996), 52(3), 799-808
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 30 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN

RN 174147-02-5 REGISTRY

CN 3-Cyclohexene-1-methanol, 5-(6-amino-9H-purin-9-yl)-, (1R,5R)-rel- (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 3-Cyclohexene-1-methanol, 5-(6-amino-9H-purin-9-yl)-, cis-

FS STEREOSEARCH

MF C12 H15 N5 O

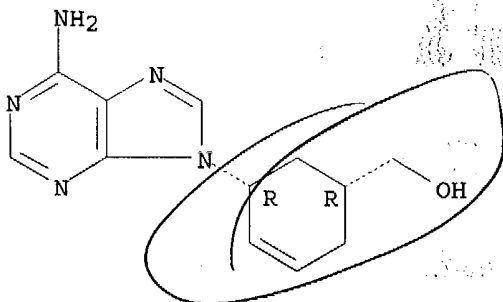
SR CA

LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER

DT.CA CAplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
RACT (Reactant or reagent)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 136:263358 CA
TITLE: Synthesis of (+) cis-substituted cyclohexenyl and cyclohexenyl nucleosides via a double Mitsunobu-type reaction
AUTHOR(S): Barral, Karine; Halfon, Philippe; Pepe, Gerard; Camplo, Michel
CORPORATE SOURCE: Groupe de Chimie Organique et des Materiaux Moleculaires (UMR-CNRS 6114), Faculte des Sciences de Luminy, Marseille, F-288, Fr.
SOURCE: Tetrahedron Letters (2001), Volume Date 2002, 43(1), 81-84
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

ACCESSION NUMBER: 125:196205 CA
TITLE: Cyclohexenyl nucleosides: synthesis and biological activity of trans-3-(purin-9-yl)-4-cyclohexenylcarbinols
AUTHOR(S): Konkél, Michael J.; Vince, Robert
CORPORATE SOURCE: College Pharmacy, University Minnesota, Minneapolis, MN, 55455-0343, USA
SOURCE: Tetrahedron (1996), 52(27), 8969-8978
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

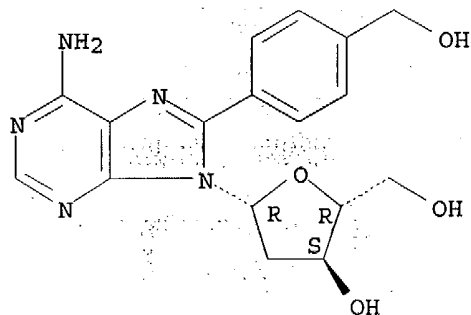
REFERENCE 3

ACCESSION NUMBER: 124:202904 CA
TITLE: Synthesis and biological activity of cyclohexenyl nucleosides. cis-5-(9H-Purin-9-yl)-3-cyclohexenyl carbinols and their 8-azapurinyl analogs

AUTHOR(S): Konkell, Michael J.; Vince, Robert
CORPORATE SOURCE: Dep. of Medicinal Chemistry, Univ. of Minnesota,
Minneapolis, MN, 55455-0343, USA
SOURCE: Nucleosides & Nucleotides (1995), 14(9 & 10), 2061-77
CODEN: NUNUD5; ISSN: 0732-8311
PUBLISHER: Dekker
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 31 OF 34 . REGISTRY COPYRIGHT 2004 ACS on STN
RN 161066-05-3 REGISTRY
CN Adenosine, 2'-deoxy-8-[4-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C17 H19 N5 O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation,
nonpreparative); PREP (Preparation)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 139:261501 CA
TITLE: Efficient One-Step Suzuki Arylation of Unprotected
Halonucleosides, Using Water-Soluble Palladium
Catalysts
AUTHOR(S): Western, Elizabeth C.; Daft, Jonathan R.; Johnson,
Edward M., II; Gannett, Peter M.; Shaughnessy, Kevin
H.
CORPORATE SOURCE: Department of Chemistry and the Center for Green
Manufacturing, The University of Alabama, Tuscaloosa,
AL, 35487-0336, USA
SOURCE: Journal of Organic Chemistry (2003), 68(17), 6767-6774
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

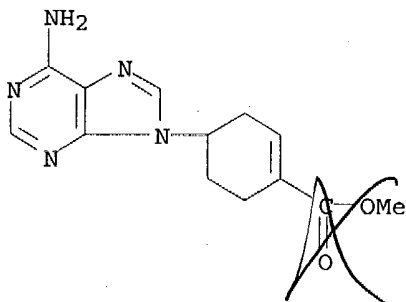
REFERENCE 2

ACCESSION NUMBER: 129:256359 CA
TITLE: 32P-postlabeling detection of DNA base adducts in mice induced by 4-(hydroxymethyl)benzenediazonium salt, a carcinogen in mushroom Agaricus bisporus
AUTHOR(S): Hiramoto, Kazuyuki; Ando, Masae Kaku; Kato, Tetsuta; Kikugawa, Kiyomi
CORPORATE SOURCE: Sch. Pharm., Tokyo Univ. Pharm. Life Sci., Hachioji, 192-0392, Japan
SOURCE: Japanese Journal of Toxicology and Environmental Health (1998), 44(4), 300-304
CODEN: JJTHEC; ISSN: 0013-273X
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English

REFERENCE 3

ACCESSION NUMBER: 122:207466 CA
TITLE: DNA Base and Deoxyribose Modification by the Carbon-Centered Radical Generated from 4-(Hydroxymethyl)benzenediazonium Salt, a Carcinogen in Mushroom
AUTHOR(S): Hiramoto, Kazuyuki; Kaku, Masae; Sueyoshi, Atsushi; Fujise, Mizuko; Kikugawa, Kiyomi
CORPORATE SOURCE: Tokyo College of Pharmacy, Tokyo, 192-03, Japan
SOURCE: Chemical Research in Toxicology (1995), 8(3), 356-62
CODEN: CRTOEC; ISSN: 0893-228X
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 32 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 152388-42-6 REGISTRY
CN 1-Cyclohexene-1-carboxylic acid, 4-(6-amino-9H-purin-9-yl)-, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H15 N5 O2
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

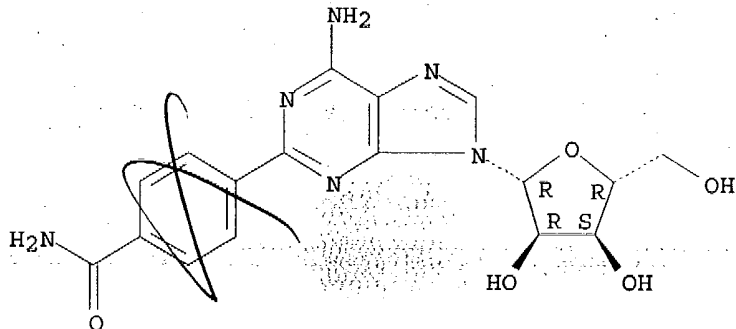
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 120:77582 CA
TITLE: Cyclohexenyl nucleosides and related compounds
AUTHOR(S): Arango, J. H.; Geer, A.; Rodriguez, J.; Young, P. E.;
Scheiner, P.
CORPORATE SOURCE: York Coll., City Univ. New York, Jamaica, NY, 11451,
USA
SOURCE: Nucleosides & Nucleotides (1993), 12(7), 773-84
CODEN: NUNUD5; ISSN: 0732-8311
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 33 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 77994-74-2 REGISTRY
CN Adenosine, 2-[4-(aminocarbonyl)phenyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C17 H18 N6 O5
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

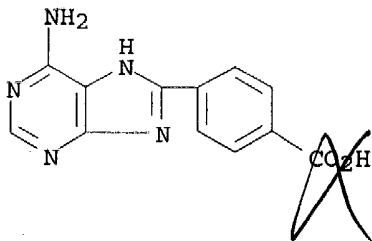
REFERENCE 1

ACCESSION NUMBER: 95:25538 CA
TITLE: N2-Substituted-2,6-diaminonebularines
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 55136299	A2	19801023	JP 1979-43257	19790409
PRIORITY APPLN. INFO.:			JP 1979-43257	19790409

L6 ANSWER 34 OF 34 REGISTRY COPYRIGHT 2004 ACS on STN
RN 42447-63-2 REGISTRY
CN Benzoic acid, 4-(6-amino-1H-purin-8-yl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H9 N5 O2
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
PROC (Process)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 130:348398 CA
TITLE: C8-Arylguanine and C8-Aryladenine Formation in Calf
Thymus DNA from Arenediazonium Ions
AUTHOR(S): Gannett, Peter M.; Powell, Jeannine H.; Rao,
Ramakrishna; Shi, Xiangling; Lawson, Terence; Kolar,
Carol; Toth, Bela
CORPORATE SOURCE: Department of Basic Pharmaceutical Sciences School of
Pharmacy, West Virginia University, Morgantown, WV,
26506, USA
SOURCE: Chemical Research in Toxicology (1999), 12(3), 297-304
CODEN: CRTOEC; ISSN: 0893-228X
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

ACCESSION NUMBER: 79:15024 CA
TITLE: Chemistry of the adenosine monophosphate site of
rabbit muscle glycogen phosphorylase. I. Hydrophobic
nature and affinity labeling of the allosteric site
AUTHOR(S): Anderson, Richard A.; Graves, Donald J.

CORPORATE SOURCE: Dep. Biochem. Biophys., Iowa State Univ., Ames, IA,
USA
SOURCE: Biochemistry (1973), 12(10), 1895-900
CODEN: BICHAW; ISSN: 0006-2960
DOCUMENT TYPE: Journal
LANGUAGE: English